

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11757	(SAW adj filter) or "surface acoustic wave"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:10
L2	67	1 and (PAM or "phase alternating mixer")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:01
L3	43398	"3" and (AGC or "automatic gain control")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 15:50
L4	32	2 and (AGC or "automatic gain control")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:02
L5	23	4 and (capacitor or capacitance)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:05
L6	0	5 and (LNA or "low noise amplifier")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 15:51
L7	1	4 and (LNA or "low noise amplifier")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L8	23	5 and (LO or "local oscillator")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:13
L9	9	8 and "low pass filter"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:05
L10	7	9 and switch\$3	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:02
L11	0	10 and (wireless or mobile)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:02
L12	6	10 and RF	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 15:59
L13	6	12 and load	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:02
L14	0	13 and harmocic	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:00
L15	6	13 and harmonic	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:00

## EAST Search History

L16	0	13 and (harmonic near5 suppress\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:03
L17	0	1 and "phase alternating mixer"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:01
L18	261	1 and (phase near3 alternat\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:01
L19	115	18 and mixer	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:01
L20	51	19 and (AGC or "automatic gain control")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L21	18	20 and (LNA or "low noise amplifier")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:02
L22	6	21 and (wireless or mobile)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:05
L23	6	22 and switch\$3	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L24	5	23 and load	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:02
L25	0	24 and (harmonic near5 suppress\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:03
L26	3	24 and harmonic	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:03
L27	20	20 and "low pass filter"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L28	5	27 and (wireless or mobile)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L29	3	28 and (capacitor or capacitance)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:08
L30	0	"chopper direct conversion"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:08

## EAST Search History

L31	2591	"direct conversion" and receiver	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:09
L32	107	31 and (gilbert near3 mixer)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:09
L33	25	32 and (phase near5 (alternat\$3 or adjust\$3))	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:10
L34	10	33 and (load near3 capacitor)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:10
L35	10	34 and ("SAW filter" or "surface acoustic wave")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:10
L36	10	35 and (AGC or "automatic gain control")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L37	10	36 and "low pass filter"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L38	10	37 and (wireless or mobile)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L39	10	38 and switch\$3	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L40	10	39 and (LNA or "low noise amplifier")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:11
L41	0	40 and (harmonic near5 suppress\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:12
L42	10	40 and (LO or "local oscillator")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:13
L43	10	42 and demultiplex\$3	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:14
L44	10	43 and differential	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:14
S1	75850	"455"/\$.ccls.	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 15:48

## EAST Search History

S2	11299	S1 and (mixing or mixer)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:01
S3	2520	S2 and (switching near8 signal)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:04
S4	25	S3 and (harmonic near5 suppression)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/05 23:55
S5	73	S3 and (harmonic near5 suppress\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:01
S6	46	S5 and (LPF or "low pass filter")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S7	16	S6 and "transistor pair"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:02
S8	15	S7 and differential	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S9	0	S8 and "capacitive load"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/05 23:57
S10	15	S8 and (capacitance or capacitor)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:02
S11	15	S10 and load	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S12	14	S11 and (network near8 (capacitance or capacitor))	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S13	0	S12 and demultiplex\$3	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:13
S14	14	S12 and (receiver and transmitter)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/05 23:58
S15	7	S12 and (receiver and transmitter)	USPAT	OR	ON	2006/02/06 00:01
S16	51794	switching and (mixing or mixer)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:01
S17	371	S16 and (harmonic near5 suppress\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S18	133	S17 and (receiver and transmitter)	USPAT	OR	ON	2006/02/06 00:01

## EAST Search History

S19	12	S18 and "transistor pair"	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:02
S20	1	S19 and demultiplex\$3	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:02
S21	12	S19 and (capacitance or capacitor)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:02
S22	12	S21 and load	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S23	10	S22 and (LPF or "low pass filter")	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S24	10	S23 and differential	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:14
S25	9	S24 and (network near8 (capacitance or capacitor))	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:03
S26	9	S25 and (harmonic near5 suppress\$3)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/19 16:12
S27	9	S26 and (switching near8 signal)	US-PGPUB; USPAT; EPO	OR	ON	2006/02/06 00:04



- L29: (3) 28 and (capacitor or capacitance)
- L30: (0) "chopper direct conversion"
- L31: (2591) "direct conversion" and receiver
- L32: (107) 31 and (gilbert near3 mixer)
- L33: (25) 32 and (phase near5 (alternat\$3 or adjust\$3))
- L34: (10) 33 and (load near3 capacitor)
- L35: (10) 34 and ("SAW filter" or "surface acoustic wave")
- L36: (10) 35 and (AGC or "automatic gain control")
- L37: (10) 36 and "low pass filter"
- L38: (10) 37 and (wireless or mobile)
- L39: (10) 38 and switch\$3
- L40: (10) 39 and (LNA or "low noise amplifier")
- L41: (0) 40 and (harmonic near5 suppress\$3)
- L42: (10) 40 and (LO or "local oscillator")
- L43: (10) 42 and demultiplex\$3
- L44: (10) 43 and differential
- L56: (1463) "differential transistor pair"
- L57: (200) 56 and (transmitter and receiver)
- L58: (91) 57 and (LO or "local oscillator")
- L59: (9) 58 and (switch\$3 near5 mix\$3)
- L60: (3) 59 and (LPF or "low pass filter")

    
 US:PGPUB:USPAT:EPO

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59 and (LPF or "low pass filter")

    

	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor
1	<input type="checkbox"/>	<input type="checkbox"/>	US 20040229589 A1	20041118	13	Reduced local oscillator feedthrough quadrature image	455/285	455/264; 455/293;		Behzad, Arya Reza
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 20040142674 A1	20040722	12	Direct conversion receiver having a low pass pole imple	455/334	455/313		Kuiri, Tapio
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6917789 B1	20050712	59	Adaptive radio transceiver with an antenna matching circ	455/78	333/103; 333/109;		Moloudi, Shervin et al

  

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- L10: (7) 9 and switch\$3
- L11: (0) 10 and (wireless or mobile)
- L12: (6) 10 and RF
- L13: (6) 12 and load
- L14: (0) 13 and harmocic
- L16: (0) 13 and (harmonic near5 suppress\$3)
- L15: (6) 13 and harmonic
- L17: (0) 1 and "phase alternating mixer"
- L18: (261) 1 and (phase near3 alternat\$3)
- L19: (115) 18 and mixer
- L20: (51) 19 and (AGC or "automatic gain control")
- L21: (18) 20 and (LNA or "low noise amplifier")
- L22: (6) 21 and (wireless or mobile)
- L23: (6) 22 and switch\$3
- L24: (5) 23 and load
- L25: (0) 24 and (harmonic near5 suppress\$3)
- L26: (3) 24 and harmonic
- L27: (20) 20 and "low pass filter"
- L28: (5) 27 and (wireless or mobile)
- L29: (3) 28 and (capacitor or capacitance)

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DBs: US:PGPUB,USPAT,EPO

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28 and (capacitor or capacitance)

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	U	1	Document ID	Issue Date	Pages	Title	Current OR	Current	Ret	Inventor	S
1	<input type="checkbox"/>	<input type="checkbox"/>	US 6879817 B1	20050412	186	DC offset, re-radiation, and I/Q solutions using universal f	455/296	455/207; 455/209;		Sorrells; David F. et al.	<input checked="" type="checkbox"/>
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6714776 B1	20040330	15	System and method for an image rejecting single convers	455/302	455/304; 455/315;		Birleson; Stanley Vincent	<input checked="" type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6301306 B1	20011009	14	Method and apparatus for generating a short-range wirel	375/259	375/279; 375/308		McDonald; James A. et al.	<input checked="" type="checkbox"/>

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